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## CHAPTER REPORTS

### THE PENNSYLVANIA CHAPTER

Thirty-four men were elected to the Sigma Xi at the regular meeting held on Wednesday, January 21. Seventeen of the thirty-four are undergraduates in the Towne Scientific School, one in the Dental School, six are graduate students, five instructors and five non-resident alumni.

The graduate men and alumni are chosen for meritorious and original work. Each of the newly-elected has added his mite to scientific literature. The undergraduate men are elected for the promise that they have given by the quality of their work to do something noteworthy in science.

A biography has been issued giving in detail the work that each new man has done, with the exception of the undergraduates, and is printed below. Among the non-resident members are President Sharpless and Professor Hall of Haverford College, and Director Goddard, of the Vineland Research Laboratory of the Feeble-minded.

#### UNDERGRADUATES—TOWNE SCIENTIFIC SCHOOL

David Berger	(Chem.)	Garner Lee Knox	(M.E.)
Stephen Douglass Brown		Walter Joseph Lehman	(Ch.E.)
	(Ch.E.)	Russel Bentley Nesbitt	(C.E.)
Loyd Augustus Cross	(C.E.)	Frank Emerson Pennock,	
Frederick Sidney Deacon		Jr.	(C.E.)
	(Chem.)	Edward John Pugh	(Chem.)
Sylvester Elmer Godshall		Wilmer Bruce Rabenold	
	(M.E.)		(Arch.)
Albert Paul Godshall	(E.E.)	Ross Wesley Ritter	(C.E.)
Herbert Vinton Hotchkiss		Fred Kellog Rowe	(E.E.)
	(C.E.)	Harry Menger Wood	(E.E.)
Clarence Kennedy	(Arch.)		

#### UNDERGRADUATES—DENTAL SCHOOL

Joseph Luke Appleton, Jr., B.S., Hamilton College 1909; Instructor in Inorganic Chemistry, Penn State College, Second Semester 1909-1910, Instructor in Zoology, the same 1910-1911.

Scientific work as follows:—in Histological Laboratory with Dr. W. H. F. Addison he occupied himself with The Study of Some Features in the Enamel Organ of Albino Rats. The results of this investigation were presented before the Stomatological Society of

Philadelphia by Mr. Appleton and Dr. Addison, and before the British Association for the Advancement of Science by Dr. Addison. The results of the investigation are to be published in the March issue of the *Journal of Morphology*.

Mr. Appleton has also been working with Dr. Gildersleeve in the Hygiene Laboratory on salivary fermentations. This work is not completed and probably will not be for some time. Mr. Appleton is a member of the graduating class of the Dental School.

#### GRADUATE STUDENTS

Douglass Treat Davidson, B.A. Yale 1909; M.D. Univ. of Penn. 1913; candidate for degree of Doctor of Public Hygiene, 1914. Phi Beta Kappa, Yale.

Max Minor Peet, A.B., Michigan 1908; M.D. 1910; Robert Robinson Porter Fellow Univ. of Penn., 1912-1913, Surgical Research to date.

Published papers: Nesting Habits of the House-Wren, Mich. Ornithological Bulletin, 1904; Birds and Mammals of Porcupine Mountains, Mich., Mich. Geological Survey, 1908; Annotated list of the Birds of Isle Royale, Mich., Mich. Geological Survey, 1908; The Fall Migration of Birds at Washington Harbor, Isle Royale in 1905, Mich. Geological Survey, 1908; An Ecological Study of the Birds of the Ypsilanti Bayou, Tenth Annual Report, Mich. Academy of Science.

With Dr. Richard M. Pearce, The Effect of Hemolytic Serum in Splenectomized Dogs, *Journal of Exper. Medicine*, Vol. 18, no. 5, 1913. With Dr. C. H. Perry Pepper, The Resistance of Reticulated Erythrocytes, *Archives of Internal Medicine*, July 1913, vol. 12, pp. 81-89.

David Mitchell, A.B. University of Toronto, 1910; A.M. Univ. of Penn. 1911; Ph.D. Univ. of Penn. 1913. At present Harrison Fellow for Research.

Dr. Mitchell's thesis entitled The influence of Distraction on the Formation of Judgments in Lifted Weight Experiments, is to appear shortly as a number in the Psychological Review Monograph Series.

Francis Whittier Pennell, Univ. of Penn. J. S. H. Prize man in Biology, Sophomore and Senior honors, B.S. 1911; Harrison Fellow in Botany 1911-13; Ph.D. 1913. Harrison Research Fellow in Botany to date.

Published papers: List of Delaware County Plants, *Proceedings of Del. Co. Institute of Science*, 1909; The Flora of the Serpentine Barrens of Southeastern Pennsylvania, *Proceedings of*

Acad. Nat. Sci. Phila., 1909; Further Notes on the Flora of the Serpentine Barrens, Del. Co. Proceedings, 1912; Some Records from the Potomac District, Torrey, 1912; A New *Gerardia* from New Jersey, Torrey, 1912; Note on *Asplenium* in Louisiana, Amer. Fern Journal, 1913; Studies in the Agalineneae, Parts I & II, presented as thesis for Ph.D., Bulletin Torrey Botanical Club, 1913.

Henry Bartol Register, B.S. in Arch. Univ. of Penn. 1910; Professional work 1910-1913; Candidate for degree of M.S. in Arch., June 1914.

Henry Wilkinson Youngken, Grad. in Pharmacy Medico-Chi, 1905; A.B. Bucknell 1909; Demonstrator of Botany and Bacteriology in Pharmacy Department, Medico-Chi, 1909-1911; Instructor in Botany 1911-12; A.M. Bucknell 1912, to date; Asst. Prof. of Botany and Pharmacognosy Medico-Chi, 1912 to date; Graduate Student, Univ. of Penn.

Published papers: The Relation of Pharmacognosy to the Practice of Pharmacy, Bulletin Medico-Chi; Pharmaceutical Botany, Blakiston & Co.

## MEMBERS OF THE INSTRUCTING STAFF

George Howard Bickley, B.S. in Arch. Univ. of Penn. 1903; Graduate of the Ecole des Beaux Arts, Paris (A. D. G. F.); Brooks Prize Medal in Design; Instructor in Arch. 1911 to date.

Francis Norton Maxfield, A.B. Haverford 1897; Ph.D. Univ. of Penn. 1912; Instructor in Psychology to date.

Published: An experiment in Linear Space Perception; Psychological Review Monograph Series, July 1913.

Oliver Hazard Perry Pepper, B.S. Univ. of Penn. 1904; M.D. Univ. of Penn. 1908; Associate in Medicine to date.

Published: Some Interesting results with the Phenolsulphenephthalein Test with J. H. Austin, American Jour. of Med. Sci., Feb. 1913; Experimental Observations on the Coagulation of Oxalsted Plasma, with a Study of Some Cases of Purpura, with J. H. Austin, Archives of Internal Medicine, March 1913; The Resistance of Reticulated Erythrocytes, with M. M. Peet, Archives of Internal Medicine, July 1913.

David Walter Steckbeck, West Chester Normal 1903-05; B.S. and M.A. Univ. of Penn. 1911; Graduate student 1910 to date; Assistant in Botany 1909-11; Asst. Instructor in Botany 1911, 1912; Instructor in Botany and lecturer in Graduate School 1912 to date. Conducting researches on Plant Irritability as Ph.D. thesis.

Otto Stuhlmann, Jr., B.A. University of Cincinnati 1907; M.E. University of Illinois 1909; Ph.D. Princeton University 1911; Asst. Instructor, Univ. of Illinois, 1907-09; Instructor, Stevens Inst. of Tech. 1911-12; Instructor, Univ. of Penn. 1912 to date.

Publications: A Difference in the Photoelectric Effect caused by Incident and Emergent Light, *Phil. Mag.* Aug. 1910; On the Difference in the Photoelectric Effect Caused by Incident and Emergent Light, Pt. II., *Phil. Mag.*, Dec. 1911; A Quantitative Measure of Development in Scientific Observation, *Amer. Asso. Adv. Sc.*, Dec. 1912, *Phys. Review*, Feb. 1912; Note on the Ageing Effect as an Influence on the Number and the Velocities of Photoelectrons from Thin Cathode Films, *Amer. Phys. Sc.*, March 1, 1913, *Physical Review*, v. 1, ser. II, p. 330, 1913; On the Photoelectric Potentials and Currents from Thin Cathode Films, *Amer. Phys. Sc.*, April 26, 1913; The Photoelectric Properties and Contact Resistances of Thin Cathode Films, *Phys. Review*, Sept. 1913, ser. II, v. 11; *Phys. Review*, Oct. 1913, ser. II, v. 11. At present engaged in the solution of a problem involving the Depth of penetration of the light giving rise to Photoelectric Phenomena (Current and Velocities).

#### ALUMNI NOT IN RESIDENCE

Elmer Bixler Ulrich, Graduated West Chester S. N. School, 1899; Graduate student West Chester S. N. School 1902-03; Saturday and Summer student Lebanon Valley College, 1900-06; Student Muhlenberg College, degree B.S.; Prin. High School, Unionville, Chester Co. Pa., 1901-03; Prin. Schools, Jedde, Luzerne Co., 1903-06; Harrison Scholar, Univ. of Penn. 1907-08; Appointed Harrison Fellow, resigned to fill High School Assistant Professorship; Graduate Student Univ. of Pa. Ph.D., 1908-10; Asst. Prof. Biology Central High School, Phila. 1908-14. Interim Instructor Graduate School, Univ. of Pa., -911-12.

Published: Leaf Movements in the Family Oxalidaceae, *Univ. of Pa. Contributions*.

Evelyn Witmer, B.S. in Biology, Univ. of Pa. 1897; M.D. Woman's Medical College of Pa. 1900; Student Univ. of Berlin 1905; Grad. Student of Medicine Univ. of Pa. 1907-08; Clinical Asst. Phila. Poly. and College for Graduates in Medicine 1900-04; Asst. in Lab. of Hygiene, Bureau of Health, Phila., 1907-08; Chem. Bacteriologist in Food Research Lab. Bureau of Chem. U. S. Dept. of Agriculture.

In collaboration with others, she has published the following papers: The Comparative Rate of Decomposition in Drawn and

Undrawn Market Poultry, Circular 70, Bureau of Chem., U. S. Dept. of Agriculture 1911; The Refrigeration of Dressed Poultry in Transit, Bulletin of the U. S. Dept. of Agric., no. 17, 1913; Bacterial and Enzymic Changes in Milk and Cream kept at 30° C., published by the Third International Congress of Refrigeration in French, German and English, also by Journal of Biological Chemistry, 1913. She is also the author of a paper entitled The Treatment of Nocturnal Incontinence of Urine, New York Medical Journal and Philadelphia Medical Journal, 1904.

## NON-RESIDENT MEMBERS

Henry Herbert Goddard, A.B. Haverford 1887; A.M. '89; Ph.D. Clark Univ. 1899; Prof. of Psychology and Pedagogy West Chester S. N. School, 1899-00; Director Vineland Research Laboratory for Feeble-minded, 1906; Acting Prof. Psychology Haverford, 1900-01; Asst. and Lecturer Summer School Clark University, 1897, 1899, 1903; Lecturer on Psychology of Mental Defectives, N. Y. Univ. 1908.

Published: The Psychology of Faith Cures, The Growth of Feeble-minded Children, The Kallikak Family; the section on The Education of the Feeble-minded in Jelliffe and White; Modern Treatment of Nervous and Mental Diseases.

Lyman Beecher Hall, A.B. Amherst; Johns Hopkins; Ph.D. Goettingen; John Farnum Professor of Chemistry, Haverford College, 1880 to date.

Publications: Principally Reviews. Review of Bigelow's Synopsis of course of lectures of General Chemistry; Of Ostwald Leitlinien der Chemie; Riggs Elementary Manual for Chemical Laboratories; and various reviews in the Journal of the American Chemistry Society; also, Venables, Course in Qualitative Chemical Analysis; Julien Textbook of Quantitative Analysis, etc.

Isaac Sharpless, Graduated Westtown 1857; B.S. 1873; Lawrence Scien. Sch., Harvard; Sc.D. Univ. of Pa., 1883; Teacher at Westtown 1867-71; Prof. of Math. Haverford College, 1875; Prof. of Astronomy Haverford 1879; Dean 1884; President 1887 to date.

Published: Geometry, 1880; and with G. M. Phillips, Astronomy and Physics, 1882; also Municipal Government in England; English Education in Elementary and Secondary Schools. International Educational Series; Relation of State to Education in England and America, Annals of Amer. Academy; Future of the Small College; Biblical Teaching in the Public Schools; A Quaker Experiment in Government; The Quakers in the Revolution; Two Cen-

turies of Pennsylvania History; The Causes of Pennsylvania's Ills; Quakerism and Politics; A Pennsylvania Quaker Boy; Presbyterian and Quaker in Colonial Pennsylvania; Selections from the works of Wm. Penn, etc.

#### THE ILLINOIS CHAPTER

Since the report of the Illinois Chapter published in the *QUARTERLY* for March, 1913, five regular meetings and one special meeting have been held. At the special meeting, the annual commencement address, which is given alternately by the societies of the Sigma Xi and Phi Beta Kappa, was delivered by Kendric Charles Babcock, Dean of the College of Liberal Arts and Sciences of the University of Illinois, on the subject *The New Liberal Education*.

At the regular meetings addresses have been given by members of the faculty as follows:

Protection against Lightning, by E. J. Berg, Professor of Electrical Engineering.

Carriers of Positive and Negative Electricity and the Properties of the Wehnelt Cathodic Rays, by C. F. Knipp, Assistant Professor of Physics.

High Cost of Living, by C. G. Hopkins, Professor of Agronomy.

Some Results of a study of the Century Plants of the West Indies Bearing on the Geographical Distribution of Living Beings in Tropical American and Especially Supporting Belief in the Former Existence of an Antillean Land Connection between Yucatan and Venezuela, by William Trelease, Professor of Botany.

Science and City Milk Supplies, by H. A. Harding, Professor of Dairy Bacteriology.

The Crookedest Railroad in the World, by L. H. Provine, Professor of Architectural Engineering.

The following persons have been elected to membership by the Illinois Chapter:

#### FROM THE FACULTY

Lotus Delta Coffman. Professor of Education.

The Social Composition of the Teaching Population, N. Y. 1911. A statistical study based upon data collected by the author.

John A. Detlefsen. Assistant Professor of Genetics, Agricultural College and Assistant Chief in Genetics, Agricultural Experiment Station.

Fertility of Hybrids in a Mannalian Species Cross, *American Breeders' Magazine*, 3, 261, 1912; Results of a Cavy Spe-

cies Cross; Inheritance of Form in Skull Sutures, presented before the American Association for the Advancement of Science, 1912-13.

Fred Hall Kay. Assistant State Geologist.

Carlinville Oil and Gas Field, 1911.

Aubrey J. Kempner. Instructor in Mathematics.

Über das Waringsche Problem und einige Verallgemeinerungen. Published 1912, Göttingen.

John Sterling Kingsley. Professor of Zoology.

Many publications, especially in Vertebrate Comparative Anatomy.

Robert Young Williams. Mining Engineer, U. S. Bureau of Mines.

#### GRADUATES

L. Chang. Graduate student in Civil Engineering.

S. E. Fauquher. Scholar in Botany.

A Study of the Development and Manner of Infection of *Deplodia Zeae* in Corn.

Ernest C. Faust. Research Assistant and Graduate Student in Zoology.

Size Dimorphism in the adult Spermatozoa of *Anasa tristis*.

Grace Glasgow. Graduate student.

Studies on Aerial Disinfection with Formaldehyde.

C. E. Hadley.

The Use of the Higher Phenols in Testing for Free Lime in Portland Cement. 8th Int. Cong. App. Chem. (1912) 5, 83. The Study of Derivatives of Phenyl and Ethyl cyan-oacetic Ester. J. Am. Chem. Soc. 34, 1923 (1912).

C. E. Holley. Fellow in Education.

A Comparison of results of measurements by the Binet Mental Tests with Teachers' Estimates of the Mental Ability of their pupils. A Survey of Social Conditions affecting the Decatur High School.

Nellie Horner. Scholar in Physics.

A Study of the conditions best suited for the Efficient Working of the Wehnelt Cathode.

Lloyd T. Jones. Assistant in Physics.

The Determination of  $e/m$  for the Cathode Rays by the Photographic Method.

Ippei Kiyohara. Graduate Student.

Electrification of Northern Pacific Railway between Spokane and Lewistown. The Electric Railways Compared with Steam Railways. Published in Japan in March, 1911.



Philip Augustus Lehenbauer. Graduate Student.

The rate of growth under constant Temperature and Moisture.  
William Earl Mosher. Research Fellow, Engineering Experiment Station.

Properties of Saturated and Superheated Ammonia Vapor.  
Jour. Am. Soc. Mech. Engineers Jan. 1913; also in Proc.  
of Am. Soc. of Refrig. Engineers 1912.

Edna Mosher. Scholar in Entomology.

The Anatomy of some Lepidopterous pupae. Presented at  
Cleveland meeting of Entom. Sc. of America.

Hubert Leonard Olin. Assistant in Chemistry.

The Coking of Coal at Low Temperatures. Bull. 60, Eng.  
Exp. Sta. Univ. of Ill.

Alvah Peterson. Assistant in Entomology.

The Anatomy of the Tomato-worm larva, *Protoparce Cawle-*  
*ria*. Am. Ent. Asso. America, 5, 1912. 246-209; 3 pts.

R. S. Potter. Research Assistant.

Molecular Rearrangements in the Camphor Series. X. Cam-  
pholytic Acid and Related Compounds. Walden's Rear-  
rangement. J. Am. Chem. Soc. 34, 1067. VIII. Campho-  
nolic Acid and Camphololactone. J. Am. Chem. Soc. 34,  
62.

George Wallace Sears. Assistant in Chemistry.

Work on the Atomic Weight of Tantalum.

Mitsutaka Takahashi. Graduate Student.

Modern Practice in Transmission of high Potential Energy.

Guy Y. Williams. Graduate Student.

A Study of the Relation between Viscosity and Ion Conduct-  
ances.

Frederick W. Wilson. Animal Husbandman, Agricultural Experi-  
ment Station, Univ. of Arizona (on leave). Graduate Student,  
Univ. of Ill., Dept. of Animal Husbandry.

Oleander Poisoning of Farm Live Stock, Arizona Sta., Bul. 59,  
1909. Improved Types of Sheep Feeding and Breeding.  
Ann. Reports of the Arizona Station for the years 1905-  
1912. Results of Swine Feeding Tests for 1912.

#### FROM THE SENIORS

Robert Back. Research Assistant in Ceramics.

The effect of Electrolytes on Clay Colloids. A Thermal Study  
of Lithum-Zinc-Silica Mixtures.

A. R. Brandner. Senior in Architecture.

A Sepulchral movement to Abraham Lincoln and the Heroes of the Civil War.

Paul Theodore Bock.

Recommended on account of ability shown in thesis work.

Wilbur Jerome Carmichael. Assistant in Animal Husbandry.

Vee Gih Chu. Senior in Chemical Engineering.

E. M. Clark. Student Assistant Department of Dairy Husbandry.

H. B. Cooley. Senior in Arch. Engineering.

Design of a Building and Chimney Stack for a Power Plant.

Harrison F. T. Fahrnkopf. Assistant in Soils.

Albert S. Fry.

Recommended on account of ability displayed in preparing a thesis on columns.

Edward Anton Glenz.

Analysis of fruit of *Ampelopsis quinquefolia*, with a special study of the oil therefrom.

Arthur Willis Kimbell.

Recommended because of ability in his thesis work on transmission of pressure through sand.

Ernest Michael Rudolph Lamkey. Student Assistant in Botany.

Cyrus William Lantz. Senior in General Science.

Everett Samuel Lee. Senior in Electrical Engineering.

E. H. Leslie. Senior Student in Chemical Engineering.

Ionization Constants of Aliphatic Acids.

Howard Mathews. Senior in Electrical Engineering.

Edwin A. Reed.

Arthur Lonis Richie. Senior in Electrical Engineering.

Irving R. Ruby. Senior in Chemical Engineering.

An Electrically Regulated Adiabatic Coloumeter.

Charles Bovett Sayre.

Clarence Scholl. Student Assistant, State Water Survey.

Comparison of a Pure Lime and a Magnesium Lime in Water Softening.

Mildred Clayton Seyster. Graduate School.

Investigation of the pitch of organ pipes blown by air from constant pressure air tank.

George F. Sutherland. Senior in College of Science.

Experiments started on the factors controlling the rate of regeneration.

Marcus Provast Taylor. Candidate for B.S. in Civil Engineering 1913.

W. S. Wolfe. Senior in Architectural Engineering.

Comparison of the Different reinforced concrete floor systems.

Tsing Too Woo. Senior Electrical Engineering.

C. G. DERICK,  
Secretary.

### THE NEBRASKA CHAPTER

Dr. F. D. Barker, the president of the Nebraska Chapter, with the coöperation of the executive committee laid out the program for the year 1913-1914 contemplating monthly meetings with research papers along very broad lines. It was intended that the papers should give surveys of recent advances and developments from a very general standpoint. Included in the program of each monthly meeting was a luncheon, a general social time, and where convenient, a smoker for the members. The programs have been very successful, the members having turned out to the meetings in considerable numbers, and in the opinion of the committee, the objects of the society have been well kept in view combining science and sociability.

A formal list of the papers presented with the speakers and dates is as follows:

Sigma Xi and the University, Chancellor Samuel Avery, Saturday Evening, December 20.

Astronomy to Date, Professor G. D. Sweezy, Saturday Evening, January 24.

The Early Land Animals of North America, Dr. S. Wendell Williston, Saturday Evening, February 14.

Paleontology to Date, Professor E. H. Barbour, Saturday Evening, March 28.

Botany to Date, Professor C. E. Bessey, at the home of Chancellor Samuel Avery, Saturday Evening, April 25.

Annual Business Meeting and Election of new members, Saturday Evening, May 23.

Annual Banquet and Initiation, Tuesday Evening, June 2.

The following members were elected to membership by this Chapter in June, 1914:

#### FROM THE FACULTY

Henry Blumberg, Ph.D. Columbia University.

Several mathematical papers in German and English.

John W. Calvin, B.Sc., University of Kansas. Prof. of Agriculture.  
Acidity in Silage. A Preliminary Study in the Conditions  
which effect the Acidity of the Amylolytic Enzymes in  
Wheat flour.

Dr. C. W. M. Poynter. B.Sc., M.D., University of Nebraska, 1906.  
Professor of Anatomy, University of Nebraska.

A Study of Cerebral Anthropology, with a Description of Two  
Brains of Two Criminals.

## FROM GRADUATES

W. W. Burr.

Several items in Bulletins of the Nebraska Experiment Station  
on Moisture Studies and Soil Survey.

Charles Wesley Harms, B.Sc., University of Nebraska, 1913.

The Comparative Study of the Species in the Trematode Germs  
Phyllodistomum.

William Kirk, A.B., Tarkio College, 1912.

Some new Molecular Organic Compounds of Aluminum and  
Yttrium Salts.

Bertha Nathalia Kramer. B.Sc., 1912.

The Morphology of a New Parasitic Turbellarian from the  
Sea-cucumber.

F. C. Miles. M.S., University of Nebraska, 1913. With U. S. De-  
partment of Agriculture.

Several items in bulletins, U. S. Department of Agriculture.

Bessie Noyes. A.B., University of Nebraska, 1911.

Studies of the Parasitism of *Albugo Candida*.

Mary Anna Schulte, A.B., University of Nebraska, 1911.

H. L. Thompson, B.Sc., University of Nebraska, 1912.

The Assay of Spirit of Peppermint.

Harvey Elmer Vasey, B.S., University of Nebraska, 1913.

Studies of the Parasitism of *Nummulaiia Discreta*.

## FROM THE SENIORS

Clarence A. Atwell.

The Acceleration and Torque of Electric Motors. Senior the-  
sis, B.Sc. in E.E., 1914.

Oscar E. Edison. Candidate for B.Sc. in E.E., 1914.

John J. Keegan, A.B., 1911, B.Sc. in 1912, University of Nebraska.

An Anthropologic Study of the Brain of the American Negro.

Wm. Kirk.

Some New Molecular Organic Compounds of Aluminum and  
Yttrium Salts.

Geo. W. Nigh. Candidate for B.Sc. in Mech. Eng., 1914.

Susanna Ring Parsons.

The Morphology of the New Monostone Trematode from the Painted Terrapin. Senior thesis for B.Sc., 1914.

Otto K. Perrin.

Outline of Thesis Submitted on topic: To Establish a Meridan. Senior thesis for B.Sc., 1914.

W. A. Rockie. Candidate for B.Sc. in Geography, 1914.

Physiographic Studies in the Southern Selkirks. A Physiographic Study in the Irishman Creek Tie Reserve. British Columbia.

L. T. Skinner. Candidate for B.Sc. in Geography, 1914.

Article in bulletin of Nebraska Soil Survey.

Alvin Cordon Smith. Candidate for B.Sc. in C.E., 1914.

The officers for the year 1914-1915, according to the annual election held May 23, 1914, are as follows:

Chancellor Samuel Avery	President
Professor A. L. Candy	Corresponding Secretary.
Professor Geo. A. Loveland	Vice-President
Professor L. B. Tuckerman	Treasurer
Professor V. L. Hollister	Recording Secretary
Professor G. D. Swezey	Councillor (1914-1917)

V. L. HOLLISTER,  
Recording Secretary.